

# **GUI-BASED GRID COMPUTING DATA MANAGEMENT APPARATUS METHOD AND SYSTEM**

## **ABSTRACT OF THE DISCLOSURE**

A replication server accessible via a web browser provides high-level replication services and replication-related services to a user by leveraging low-level file transfer and replica location services associated with a grid. In one embodiment, a set of graphical user interfaces enables a user to edit attributes associated with a data file, replicate a set of data files such as a directory, publish data files to the replica location service, delete one or more data files, search for files with specific attributes, and conduct replication operations on search results. The aforementioned functionality is provided while maintaining the integrity of information maintained by the replica location services.

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